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Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

	Application No.	Applicant(s)				
	10/815,159	STEPHENS ET AL.				
Office Action Summary	Examiner	Art Unit				
•	Dennis Cordray	1731				
The MAILING DATE of this communication app Period for Reply	pears on the cover sheet with the	correspondence address				
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).						
Status						
1) Responsive to communication(s) filed on 20 N	lovember 2006.					
·=						
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims						
4) Claim(s) 1-14 is/are pending in the application		•				
4a) Of the above claim(s) is/are withdrawn from consideration.						
5) Claim(s) is/are allowed.						
6)⊠ Claim(s) <u>1-14</u> is/are rejected.						
7) Claim(s) is/are objected to.						
8) Claim(s) are subject to restriction and/o						
Application Papers						
9) The specification is objected to by the Examiner.						
10) ☐ The drawing(s) filed on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.						
Applicant may not request that any objection to the						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).						
a) All b) Some * c) None of:						
1. ☐ Certified copies of the priority document	s have been received.					
3. Copies of the certified copies of the priority documents have been received in this National Stage						
application from the International Bureau (PCT Rule 17.2(a)).						
* See the attached detailed Office action for a list of the certified copies not received.						
	•					
Attachment(s)						
1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413)						
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) Paper No(s)/Mail Date						
3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	6) Other:	ratent Application				
S. Patent and Trademark Office	· —					

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DETAILED ACTION

Response to Arguments

1. Applicant's amendments and arguments, filed 11/20/2006, with respect to the rejections of Claims 1-14 under 35 U.S.C. 103(a) have been fully considered and are not persuasive. However, the rejections have been reformulated to incorporate older prior art.

- 2. In addition, new grounds of rejection are made as detailed below.
- 3. Applicants argue on pp 5-7 that there is no suggestion in the cited references to combine them with Westland et al.

The MPEP 2143.01 states:

Obviousness can only be established by combining or modifying the teachings of the prior art to produce the claimed invention where there is some teaching, suggestion, or motivation to do so. In re Kahn, 441 F.3d 977, 986, 78 USPQ2d 1329, 1335 (Fed. Cir. 2006) (discussing rationale underlying the motivation-suggestion-teaching requirement as a guard against using hindsight in an obviousness analysis). The teaching, suggestion, or motivation must be found either explicitly or implicitly in the references themselves or in the knowledge generally available to one of ordinary skill in the art. "The test for an implicit showing is what the combined teachings, knowledge of one of ordinary skill in the art, and the nature of the problem to be solved as a whole would have suggested

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to those of ordinary skill in the art." In re Kotzab, 217 F.3d 1365, 1370, 55 USPQ2d 1313, 1317 (Fed. Cir. 2000).

The Casey (pp 1833-1835) and Biermann (p 197) references teach that it has been known for over 20 years to add blue dyes to pulp to offset the natural yellowness of the pulp and make the fibers whiter. Casey also teaches that the dyes can be added to the papermaking stock (which contains the pulp) or as a surface treatment (to a formed structure). Thus, the additional references teach what was generally known and available to one of ordinary skill in the art. The Sprang reference is no longer used in the current rejection.

Applicant admits in the Background section of the instant Specification that it is known in the art that crosslinking using citric acid causes yellowing of the fibers (p 2, lines 23-25). Applicant also admits that consumers favor whiter fibers because they are perceived to be "fresh", "new" and "clean", while yellower fibers are perceived to be "old", "faded" and "dirty" (p 3, lines 2-5). Thus, the motivation exists to obtain whiter fibers to make them more favorable to consumers. Motivation for adding a small amount of blue dye to whiten the fibers and create a "pleasant effect because the average person prefers a blue-white to a yellowish white" is also provided by Casey (p 1835, next to last par). There is ample evidence and motivation in the prior art that would suggest to one of ordinary skill in the art that adding blue dye in an appropriate amount to cellulosic fibers will increase their whiteness and make them more preferable to consumers and that such a process could be done with a reasonable expectation of success. Since papermaking and fluff pulp both comprise cellulosic fibers, it would

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have been obvious to one of ordinary skill in the art that fluff pulp would be similarly whitened and be made more preferable to consumers by treatment of fluff pulp with a blue dye.

- 4. Applicant argues on p 7 that a finding of obviousness is impermissible and refuted by the objective indicia of nonobviousness, In re Piasecki, 745 F.2d 1468, 223 USPQ 785 (Fed. Cir. 1984); In re Sernaker, 702 F.2d 989, 217 USPQ 1 (Fed. Cir. 1983). In the cited cases, evidence of non-obviousness was demonstrated by numerous studies by public and private organizations over a period of time. No such evidence has been submitted regarding the instant invention.
- 5. Applicant argues on p 7 that there is a long felt need for a whiter fluff pulp.

 Applicant concludes, since the cited references of Casey and Biermann are over twenty years old and nobody has reported using a whitening agent to provide a whiter fluff pulp, that the concept is nonobvious.

Establishing long-felt need requires objective evidence that an art recognized problem existed in the art for a long period of time without solution (MPEP 716.04). The relevance of long-felt need and the failure of others to the issue of obviousness depends on several factors. First, the need must have been a persistent one that was recognized by those of ordinary skill in the art. In re Gershon, 372 F.2d 535, 539, 152 USPQ 602, 605 (CCPA 1967) ("Since the alleged problem in this case was first recognized by appellants, and others apparently have not yet become aware of its

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existence, it goes without saying that there could not possibly be any evidence of either a long felt need in the . . . art for a solution to a problem of dubious existence or failure of others skilled in the art who unsuccessfully attempted to solve a problem of which they were not aware.") Applicants have not provided evidence that a long felt need existed for whitening fluff pulp. The discussion in the instant Specification relates to whitening efforts in papermaking art, which Applicant appears to be arguing is different from whitening fluff pulp. How then can there be a long felt need to whiten fluff pulp if there is no evident concern outside of papermaking? The very fact that no others have apparently been concerned with further whitening fluff pulp for at least twenty years, as argued above, indicates that there has not been a recognized long felt need.

- 6. Applicant argues on pp 7-8 that a leap of reasoning was made in the rejection by suggesting that, since addition of a blue dye makes paper whiter, a fluff pulp can also be made whiter by the same method. As discussed above, fluff pulp fibers and papermaking fibers are cellulosic fibers and it would have been obvious to one of ordinary skill in the art that the same dyes that whiten papers, or papermaking fibers in pulp form, will also whiten fluff pulp fibers.
- 7. Applicant argues on p 8 that another leap of reasoning was made in concluding that, since dyed and crosslinked fibers were known in the art indicate, whitened and crosslinked fibers were also known. Applicant further argues that the ordinary meaning of dye means "color from dyeing" and that white means "free from color". The cited

references make it clear that the whitening effect of blue dye is due to it being a complementary color to yellow, which is the coloring the papermaking and fluff pulp industry wishes to eliminate. The blue dye grays the paper and makes it appear whiter (Casey, p 1833, last par; p 1835, last par). Thus, adding a dye that colors the paper in the desired manner makes the paper whiter. The new rejections below make it clear that whitened crosslinked fibers were known or would have been obvious to one of ordinary skill in the art at the time of the invention.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

- (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 8. Claims 1, 5 and 12-14 are rejected under 35 U.S.C. 102(b) as anticipated by or, in the alternative, under 35 U.S.C. 103(a) as obvious over Cook et al (5562740) as

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evidenced by Farr et al ("Bleaching Agents" Kirk-Othmer Encyclopedia of Chemical Technology, V.4, p 43).

Cook et al discloses crosslinked cellulosic fibers and a process for making the fibers comprising: applying a citric acid crosslinking agent and a crosslinking catalyst to a web of fibers, separating the web into individualized fibers, heating the individualized fibers to provide individualized crosslinked fibers, and bleaching the crosslinked fibers using hydrogen peroxide and sodium hydroxide. (abstract; col 13, lines 22-25). The fibers are preferably mechanically defibrated into a fibrous form known as "fluff" prior to reaction of the crosslinking agent with the fibers (col 8, lines 42-44), thus are fluff pulp. Cook et al further discloses that the fibers can be used to form absorbent products such as diapers, feminine care products, and tissues (col 17, lines 30-35).

Cook et al teaches that the citric acid crosslinking agent can cause discoloring (i.e., yellowing) of the white cellulosic fibers when treated at elevated temperatures and result in unpleasant odors (col 3, lines 33-40). Cook et al discloses that bleaching improves the product brightness and reduces odor (col 3, lines 41-52).

A bleaching agent whitens a substrate by chemical reaction (for evidence, see Farr et al, p 43, subtopic "Introduction"), thus bleached pulps are whiter than unbleached pulps. The bleached fluff pulp of Cook et al therefore comprises whitened crosslinked cellulosic fluff pulp fibers.

Claims 1, 5 and 12-14 are product-by-process claims. The product of Cook et al appears to be the same as or similar to the claimed product, whitened crosslinked cellulosic fluff pulp fibers, although produced by a different process. The burden

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therefore shifts to applicant to come forward with evidence establishing an unobvious difference between the claimed product and the prior art product. In re Marosi, 710 F.2d 798, 802, 218 USPQ 289, 292 (Fed. Cir.1983). "In the event any differences can be shown for the product of the product-by-process claims 1, 5 and 12-14 as opposed to the product taught by the reference Cook et al, such differences would have been obvious to one of ordinary skill in the art as a routine modification of the product in the absence of a showing of unexpected results: see also In re Thorpe, 777 F.2d 695, 698, 227 USPQ 964, 966 (Fed. Cir. 1985)"

9. Claims 2, 6-7 and 10-11 are rejected under 35 U.S.C. 103(a) as being unpatentable over Cook et al in view of Casey (Pulp and Paper Chemistry and Chemical Technology, 3rd ed, vol III, John Wiley & sons, 1981) and Biermann (Essentials of Pulping and Papermaking, Academic Press, Inc., 1993), and further in view of Westland et al (6300259).

Cook et al discloses that sodium hypophosphite is used as a crosslinking catalyst (col 12, lines 7-12 and 28-30).

Cook et al does not disclose adding a blue dye to the fibers prior to crosslinking.

Casey et al teaches that paper can be whitened by adding a blue dye because the dye is complementary to the natural yellow tint of pulp (p 1833, last par bridging to to p 1834). Although the addition of a dye reduces total reflectance, Casey teaches that yellowness is about four times as important to the visual perception of whiteness than total reflectance (p 1835, 2nd full par), thus a reduction of yellowness and an increase in

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whiteness is achieved by adding a blue dye. The blue dye can be added as a surface treatment or to the stock (par spanning pp 1834-1835). Casey also teaches that a small amount of blue dye or blue pigment is often added to the stock (which comprises the pulp fibers) and results in a "pleasant effect because the average person prefers a bluewhite to a yellowish white" (p 1835, next to last par), thus providing motivation to whiten the fibers using a blue dye. Thus the use of a whitening agent to whiten pulp is well known to those of ordinary skill in the art.

Biermann teaches that blue dye is often added to pulp to offset the tendency for pulp to be yellow (p 197, left col, 2nd par), thus the use of a whitening agent to whiten pulp is well known to those of ordinary skill in the art.

Westland et al discloses a method of forming a crosslinkable cellulosic fibrous product comprising applying a crosslinking agent to a mat of cellulosic fibers, drying the mat so that no crosslinking occurs, separating the mat into individualized treated fibers, incorporating the individualized fibers into a fibrous web and heating the web to affect crosslinking (col 5, line 34 to col 6, line 6). Pretreatment or post treatment of the fibers with a dye is also disclosed (col 3, lines 8-12). Cellulosic fibers treated with a dye and a crosslinking agent, separated into individualized form and subsequently heated to provide crosslinking are thus known to one of ordinary skill from prior art.

The art of Cook et al, Casey, Biermann, Westland et al and the instant invention are analogous as pertaining to the art of whitening cellulosic fibers. It would have been obvious at the time the invention was made to a person with ordinary skill in the art to add a blue dye as a pretreatment to the fibers to increase whiteness of the fibrous

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product in the process of Cook et al in view of Casey and Biermann and further in view of Westland et al to make the product more preferable to customers. Whether the fibers are fluff pulp (mechanically defibrated into a low density individualized fibrous form known as "fluff" as taught by Cook et al) or papermaking fibers, they are cellulosic fibers, and it would have been obvious to one of ordinary skill in the art to obtain whitened cellulosic fibers, including whitened crosslinked fluff pulp.

Both bleaching and addition of blue dyes are known to those of ordinary skill in the art to counteract yellowing in and thus whiten cellulosic fibers. From MPEP 2144.06:

"It is prima facie obvious to combine two compositions each of which is taught by the prior art to be useful for the same purpose, in order to form a third composition to be used for the very same purpose.... [T]he idea of combining them flows logically from their having been individually taught in the prior art." In re Kerkhoven, 626 F.2d 846, 850, 205 USPQ 1069, 1072 (CCPA 1980).

Combining the two processes, bleaching or addition of a whitening agent, such as a blue dye, to the fibers for the same purpose of whitening the fibers would therefore have been obvious to one of ordinary skill in the art. Note that the language instant claims, "comprising", does not preclude a post-crosslinking bleaching step.

Claims 3-4 and 8-9 are rejected under 35 U.S.C. 103(a) as being unpatentable 10. over Cook et al, Casey, Biermann and Westland et al, as applied to claims 1-2 above,

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and further in view of Chudgar et al ("Dyes, Azo" Kirk-Othmer Encyclopedia of Chemical Technology, John Wiley & Sons, 2003, Introduction) and von der Eltz et al (5512064).

Cook et al, Casey, Biermann and Westland et al do not disclose blue azo dyes or azo metal complex dyes.

Chudgar et al teaches that azo dyes are the largest class of organic dyes and are widely used in the textile and paper industries, thus are well known in the art.

Von der Eltz et al teach that azo dyes and azo metal complex dyes are well known art and are completely familiar to one skilled in the art (col 5, lines 10-19).

The art of Cook et al, Casey, Biermann, Westland et al, Chudgar et al, Von der Eltz et al and the instant invention are analogous in that they are from the art of treating cellulosic fibers. It would have been obvious at the time the invention was made to a person with ordinary skill in the art to add a blue azo dye to the formed web to increase whiteness of the fibrous product in the process of Cook et al et al in view of Casey and Biermann and further in view of Westland et al, Chudgar et al and Von der Eltz et al to make the product more preferable to customers. In the absence of limiting parameters not revealed in the current disclosure it would have been obvious at the time the invention was made to a person with ordinary skill in the art to use a blue azo metal complex dye as a functionally equivalent option.

11. Claims 1-3, 5-7 and 10-14 are rejected under 35 U.S.C. 103(a) as being unpatentable over Westland et al (6300259) in view of Casey and Biermann.

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Westland et al discloses a method of forming a crosslinkable cellulosic fibrous product comprising applying a crosslinking agent to a mat of cellulosic fibers, drying the mat so that no crosslinking occurs, separating the mat into individualized treated fibers, incorporating the individualized fibers into a fibrous web and heating the web to affect crosslinking (col 5, line 34 to col 6, line 6). Pretreatment or post treatment of the fibers with a dye is also disclosed (col 3, lines 8-12). Westland also discloses the use of citric acid as a crosslinking agent (col 5, lines 11-12) and sodium hypophosphite as a crosslinking catalyst (col 6, lines 39-40). Westland further discloses that the fibers can be used to form absorbent products such as diapers, feminine care products, incontinence products and toweling (col 7, lines 4-11).

Westland et al does not disclose adding a whitening agent to the fibers.

The teachings of Casey et al and Biermann are as above.

The art of Westland et al, Casey, Biermann, and the instant invention is analogous as pertaining to the art of crosslinking and whitening cellulosic fibers. It would have been obvious to a person with ordinary skill in the art at the time the invention was made to add a blue dye as a pretreatment to increase whiteness of the fibrous product in the process of Westland et al in view of Casey and Biermann to make the product more preferable to customers. The individualized fibers of Westland et al are intended for the same uses in absorbent products as fluff pulp fibers and it would have been obvious to apply the method of Westland et al to fluff pulp fibers.

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13. Claims 4 and 8-9 are rejected under 35 U.S.C. 103(a) as being unpatentable over Westland et al, Casey, Biermann and Sprang et al, as applied to claims 1-3 5-8 and 10-14 above, and further in view of Chudgar et al and von der Eltz et al.

Westland et al, Casey and Biermann et al do not disclose the use of an azo metal complex dye as a blue dye.

The teachings of Chudgar et al and von der Eltz et al are as above.

The art of Westland et al, Casey, Biermann, Chudgar et al, von der Eltz et al and the instant invention is analogous as pertaining to the art of crosslinking and whitening cellulosic fibers. In the absence of limiting parameters not revealed in the current disclosure it would have been obvious at the time the invention was made to a person with ordinary skill in the art to add a blue azo metal complex dye as a functionally equivalent option to the formed web to increase whiteness of the fibrous product in the process of Westland et al in view of Casey, Biermann and Sprang et al and further in view of von der Eltz et al to make the product more preferable to customers.

Double Patenting

The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the unjustified or improper timewise extension of the "right to exclude" granted by a patent and to prevent possible harassment by multiple assignees. A nonstatutory obviousness-type double patenting rejection is appropriate where the conflicting claims are not identical, but at least one examined application claim is not patentably distinct from the reference claim(s) because the examined application claim is either anticipated by, or would have been obvious over, the reference claim(s). See, e.g., *In re Berg*, 140 F.3d 1428, 46 USPQ2d 1226 (Fed. Cir. 1998); *In re Goodman*, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); *In re Longi*, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); *In re Van Omum*, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); *In re Vogel*, 422

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F.2d 438, 164 USPQ 619 (CCPA 1970); and *In re Thorington*, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) or 1.321(d) may be used to overcome an actual or provisional rejection based on a nonstatutory double patenting ground provided the conflicting application or patent either is shown to be commonly owned with this application, or claims an invention made as a result of activities undertaken within the scope of a joint research agreement.

Effective January 1, 1994, a registered attorney or agent of record may sign a terminal disclaimer. A terminal disclaimer signed by the assignee must fully comply with 37 CFR 3.73(b).

14. Claims 1-2 and 5 are rejected on the ground of nonstatutory double patenting over claims 1, 3, 6 and 7 of U. S. Patent No. 6893473 since the claims, if allowed, would improperly extend the "right to exclude" already granted in the patent.

The subject matter claimed in the instant application is fully disclosed in the patent and is covered by the patent since the patent and the application are claiming common subject matter, as follows:

The instant Claims are directed to a product, whitened crosslinked cellulosic fluff pulp fibers comprising a whitening material or agent (Claim 1). The fibers are citric acid crosslinked fibers (Claim 5). The whitening agent is a blue dye (Claim 2).

The claims of U. S. Patent No. 6893473 are directed to a product, whitened fluff pulp comprising pulp fibers and a whitening agent (Claim 1). The fibers can be citric acid crosslinked fluff pulp (Claims 6-7). The whitening material is a blue dye (Claim 3).

Furthermore, there is no apparent reason why applicant was prevented from presenting claims corresponding to those of the instant application during prosecution of the application which matured into a patent. See *In re Schneller*, 397 F.2d 350, 158 USPQ 210 (CCPA 1968). See also MPEP § 804.

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15. Claims 1-14 provisionally rejected under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claims 1, 3-6, 9-14 and 17-19 of copending Application No. 10/813957.

Although the conflicting claims are not identical, they are not patentably distinct from each other because the instant invention fully encompasses the referenced claims of the copending application.

- Claim 1 of the instant invention is drawn to a product, whitened crosslinked cellulosic fluff pulp fibers, and does not preclude the use of a bleaching agent as claimed in
 Claim 1 of the copending application. Claim 1 of the copending application is also drawn to a product, whitened crosslinked cellulosic fluff pulp fibers.
- Claims 2-5 of the instant invention read the same as claims 3-6 of the copending application after appropriate changes in the referenced claim numbers.
- Claim 6 of the instant invention does not preclude the use of a bleaching agent as specified in Claim 9 of the copending application and, other than the additional step of applying a bleaching agent, the claims read identically.
- Claims 7-11 of the instant application read the same as Claims 10-14 of the copending application after appropriate changes in the referenced claim numbers.
- Claims 12-14 of the instant application read identically to Claims 17-19 of the copending application after appropriate changes in the referenced claim numbers.

This is a <u>provisional</u> obviousness-type double patenting rejection because the conflicting claims have not in fact been patented.

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Conclusion

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dennis Cordray whose telephone number is 571-272-8244. The examiner can normally be reached on M - F, 7:30 -4:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Steven Griffin can be reached on 571-272-1189. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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